

M 5.9, 38 km SSW of Hualien City, Taiwan

Origin Time: 2022-06-20 01:05:07 UTC (Mon 09:05:07 local)

Location: 23.6553° N 121.4722° E Depth: 8.0 km

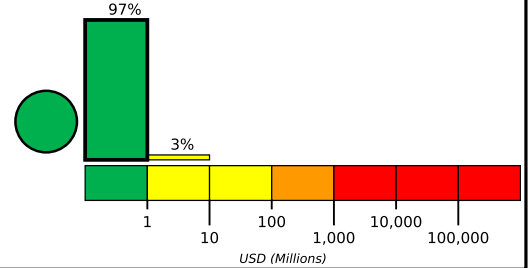
Created: 1 week, 0 days after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

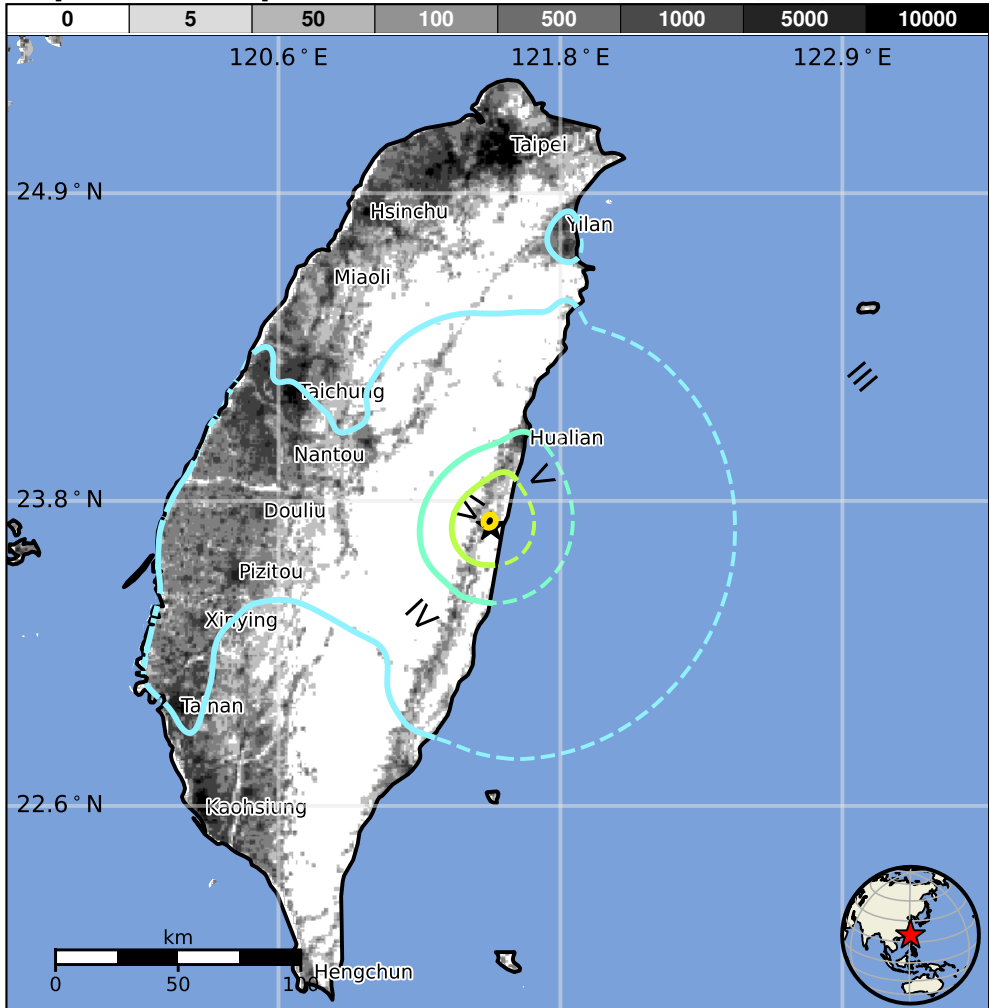


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	12,732k*	10,589k	191k	44k	17k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-07-20	42	5.9	VII(226k)	1
1982-01-23	43	6.0	VII(146k)	1
1999-09-20	54	7.6	IX(1,778k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Hualien City	350k
IV	Douliu	105k
IV	Jiayi Shi	<1k
IV	Pizitou	5k
IV	Taibao	<1k
IV	Yilan	94k
IV	Taipei	7,872k
IV	Tainan	771k
IV	Taichung	1,041k
III	Zhongxing New Village	26k
III	Kaohsiung	1,520k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000him8#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000him8